

TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE
37401



June 1, 1973

Mr. F. E. Kruesi, Director
Directorate of Regulatory Operations
U.S. Atomic Energy Commission
Washington, DC 20545

Dear Mr. Kruesi:

On May 3, 1973, TVA made initial report to AEC-DRO Inspector W. S. Little of a failure of Browns Ferry Nuclear Plant unit 1 drywell penetration EF, connector 9E. In accordance with paragraph 50.55(e) of 10 CFR 50, we submit the following formal report of the failure which was discovered on April 23, 1973.

The failure of the unit 1 drywell penetration connector caused the loss of functional capability of the drywell floor drain sump pumps 1A and 1B, equipment drain sump pumps 1A and 1B, recirculation pump motor 1A and 1B space heaters, equipment handling platform outlet, and valves FCV-68-1, FCV-68-3, FCV-68-80, and FCV-71-2. Investigation revealed that two pins had burned off connector 9E and two holes were burned through the base of the connector, thus rupturing the penetration seal.

The exact cause of the failure is unknown. We are continuing to investigate the failure in order to determine the corrective action to be taken, and we expect to submit a final report on this failure by July 2, 1973.

Very truly yours,

Godwin Williams, Jr.
Godwin Williams, Jr.
Assistant Manager of Power

CC: Mr. Norman C. Moseley, Director
Directorate of Regulatory Operations
U.S. Atomic Energy Commission
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*Inquiry
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